

Product datasheet for **RG211747**

RNF121 (NM_018320) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RNF121
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG211747 representing NM_018320
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGCGGCAGTGGTGGAGGTGGAGGTTGGAGGTGGTGTCTGCTGGGGAACGGGAGCTGGATGAGGTTGATA
TGTCAGATCTCTCCAGAAGAGCAATGGAGGGTCGAGCACGCACGCATGCATGCCAAGCACCGTGGCCA
TGAAGCTATGCATGCTGAAATGGTCTCATCCTCATCGCAACCTTGGTGGTGGCCAGCTGCTCCTGGTG
CAGTGGAAGCAGAGGCACCCACGCTCCTACAATATGGTGACCTCTTTCAGATGTGGGTTGTTCCCTCT
ATTTACAGTGAAGCTGCAGTGGTGGAGGTTCTAGTGATCTGGATCTTGTCTCTGCTGTCACAGCCTT
TGTTACCTTCCGAGCCACCCGAAACCTCTAGTACAGACAACCCCAAGTTGGTTTATAAGTGGTTCCTG
CTAATCTATAAAATCAGCTATGCCACTGGCATTGTTGGCTACATGGCTGTCATGTTTACCCTCTTTGGTC
TTAACTTATTATTCAAGATCAAACCAGAAGATGCCATGGACTTTGGCATCTCCCTTCTCTTCTATGGCCT
CTACTATGGAGTTCTGGAACGGGACTTTGCAGAAATGTGTGCAGACTACATGGCATCTACCATAGGGTTC
TACAGCGAGTCGGGCATGCCTACCAAACATCTTTCAGACAGTGTGTGTGCTGTGTGGGCAGCAGATCT
TTGTGGACGTCACTGAAGAGGGGATCATTGAGAACACGTATAGGCTGTCCTGCAATCATGTCTTCCACGA
GTTCTGCATCCGTGGCTGGTGCATCGTGGGAAAGAAGCAAACGTGTCCCTACTGCAAAGAGAAGGTAGAC
CTCAAGAGGATGTTTCAGCAATCCCTGGGAGAGGCCTCACGTGATGTGGGCACTGCTGGACTGGCTTC
GATACTTGGTAGCCTGGCAGCCTGTATCATTGGTGTAGTCCAAGGCATCAACTACATCCTGGGCCTGGA
A

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG211747 representing NM_018320

Red=Cloning site Green=Tags(s)

MAAVVEVEVGGAAGERELDEVMSDLSPEEQWRVEHARMHAKHRGHEAMHAEMVLILIALTLVVAQLLLV
QWKQRHPRSYNMVTLFQMWWVPLYFTVKLHWWRFLVIWILFSAVTAFTFRATRKPLVQTPRLVYKWL
LIYKISYATGIVGYMAVMFTLFLNLLFKIKPEDAMDFGISLLFYGLYYGVLERDFAEMCADYMASTIGF
YSESGMPTKHLSDSVCVCGQQIFVDVSEEGIIENTYRLSCNHVFHEFCIRGWCIVGKKQTCYPYCKEKVD
LKRMSNPWERPHVMYQQLLDWLRYLVAWQPVIIGVVQGINYILGLE

TRTRPLE - GFP Tag - V

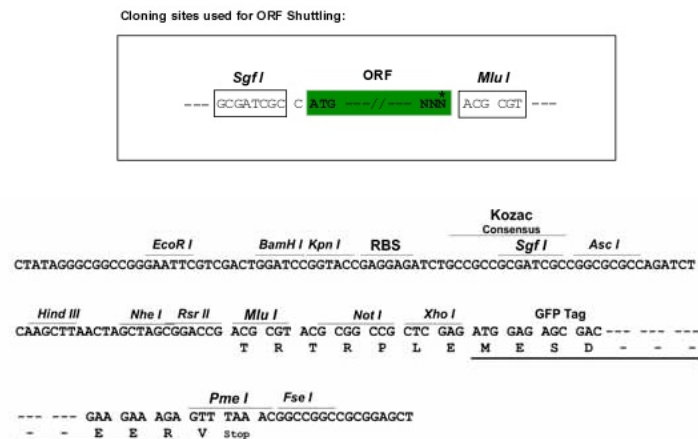
Chromatograms:

https://cdn.origene.com/chromatograms/ja2506_h02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_018320

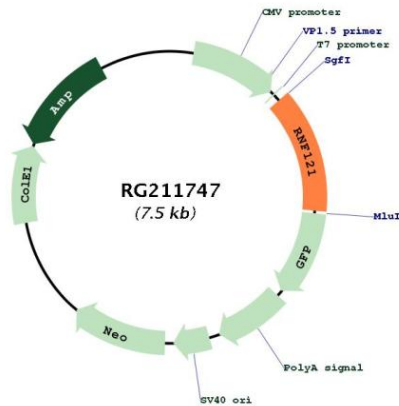
ORF Size:

981 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018320.5
RefSeq Size:	2306 bp
RefSeq ORF:	984 bp
Locus ID:	55298
UniProt ID:	Q9H920
Cytogenetics:	11q13.4
Domains:	RING
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. Several alternatively spliced transcript variants have been noted for this gene, however, not all are likely to encode viable protein products. [provided by RefSeq, Sep 2008]

Product images:

Circular map for RG211747